

ABSTRACT OF THE DISCLOSURE

A system, device, and method for traffic and subscriber service
5 differentiation using multiprotocol label switching (MPLS) creates different
service tiers, where each service tier is associated with a unique combination of
resource class (color) and hold priority. Enhanced MPLS devices separate traffic
into separate queues based upon service tier. Standard MPLS devices are
typically configured to separate traffic for different service tiers under normal
10 operating conditions. Enhanced MPLS devices signal service tier using a
predetermined signaling protocol such as RSVP-TE or CR-LDP.